

216824US2-PCT



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :  
SHINZO OHKUBO ET AL : ATTN: APPLICATION DIVISION  
SERIAL NO: 09/926,207 :  
FILED: DECEMBER 5, 2001 :  
FOR: MULTICAST TRANSMISSION :  
METHOD, MULTICAST  
TRANSMISSION SYSTEM, MOBILE  
STATION AND BASE STATION

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Prior to a first examination on the merits, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend the claims as follows:

20. (Amended) The multicast transmission method as claimed in one of claims 17 or 19, wherein said transmission method to be changed is an antenna directivity, a modulation method, a transmission speed, a spreading modulation method, error correction code, or a coded ratio.

23. (Amended) The multicast transmission method as claimed in one of claims 21 or 22, wherein said receiving quality is receiving power of a received multicast signal, a ratio (CIR) between received multicast signal and interference power, an error rate of bit, packet

or slot of a received multicast signal, or, a correction bit number or likelihood obtained when decoding error correction code.

24. (Amended) The multicast transmission method as claimed in one of claims 17-19, 21, or 22, wherein:

when said base station sends a retransmitting multicast signal or when said base station sends a new multicast signal after sending a retransmitting multicast signal, said base station sends said retransmitting multicast signal or said new multicast signal by using a specific channel which is occupied for communication between a mobile station which receives said retransmitting multicast signal or said new multicast signal and said base station.

25. (Amended) The multicast transmission method as claimed in one of claims 17-19, 21, or 22, wherein:

if said mobile station receives a retransmitted multicast signal without an error after sending a retransmission request signal to said base station when detecting an error in a received multicast signal, said mobile station does not perform error detection for a multicast signal which includes the same information as said retransmitted multicast signal and which is further retransmitted after receiving said retransmitted multicast signal; and

when said mobile station does not detect any error in a received multicast signal, said mobile station does not send any signal.

35. (Amended) The base station as claimed in one of claims 32 or 34, wherein said transmission method to be changed is an antenna directivity, a modulation method, a transmission speed, a spreading modulation method, error correction code, or a coded ratio.

36. (Amended) The base station as claimed in one of claims 32-34, wherein:

when said base station sends a retransmitting multicast signal or when said base station sends a new multicast signal after sending a retransmitting multicast signal, said base station sends said retransmitting multicast signal or said new multicast signal by using a specific channel which is occupied for communication between a mobile station which receives said retransmitting multicast signal or said new multicast signal and said base station.

#### REMARKS

Favorable consideration of this application, as presently amended, is respectfully requested.

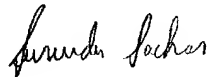
The present Preliminary Amendment is submitted to place the above-identified application in more proper format under United States practice.

By the present Preliminary Amendment the claims have been amended to no longer recite any improper multiple dependencies and to use more proper language for multiple dependent claims.

The present application is believed to be in condition for a full and thorough examination on the merits. An early and favorable consideration of the present application is hereby respectfully requested.

Respectfully submitted,

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<b>Marked-Up Copy</b>
Serial No: 09/926,707
Amendment Filed on: 2-20-2002

IN THE CLAIMS

Please amend the claims as follows:

--20. (Amended) The multicast transmission method as claimed in one of claims 17 or 19, wherein said transmission method to be changed is an antenna directivity, a modulation method, a transmission speed, a spreading modulation method, error correction code, or a coded ratio.

23. (Amended) The multicast transmission method as claimed in one of claims 21 or 22, wherein said receiving quality is receiving power of a received multicast signal, a ratio (CIR) between received multicast signal and interference power, an error rate of bit, packet or slot of a received multicast signal, or, a correction bit number or likelihood obtained when decoding error correction code.

24. (Amended) The multicast transmission method as claimed in one of claims [17-23] 17-19, 21, or 22, wherein:

when said base station sends a retransmitting multicast signal or when said base station sends a new multicast signal after sending a retransmitting multicast signal, said base station sends said retransmitting multicast signal or said new multicast signal by using a specific channel which is occupied for communication between a mobile station which receives said retransmitting multicast signal or said new multicast signal and said base station.

25. (Amended) The multicast transmission method as claimed in one of claims [17-24] 17-19, 21, or 22, wherein:

if said mobile station receives a retransmitted multicast signal without an error after sending a retransmission request signal to said base station when detecting an error in a received multicast signal, said mobile station does not perform error detection for a multicast signal which includes the same information as said retransmitted multicast signal and which is further retransmitted after receiving said retransmitted multicast signal; and

when said mobile station does not detect any error in a received multicast signal, said mobile station does not send any signal.

35. (Amended) The base station as claimed in one of claims 32 or 34, wherein said transmission method to be changed is an antenna directivity, a modulation method, a transmission speed, a spreading modulation method, error correction code, or a coded ratio.

36. (Amended) The base station as claimed in one of claims [32-35] 32-34, wherein:

when said base station sends a retransmitting multicast signal or when said base station sends a new multicast signal after sending a retransmitting multicast signal, said base station sends said retransmitting multicast signal or said new multicast signal by using a specific channel which is occupied for communication between a mobile station which receives said retransmitting multicast signal or said new multicast signal and said base station.--